aschenbrenner elektronik gmbh

AC / DC Converter for Field Applications
230 V AC to 24 (28) V DC / 100 A

type number 00888

Main Feature:

This Power AC / DC Converter was designed for open air field applications, to be supportive for battery charge for mobiles from line voltage with high power.

The provided stands allows a stable distance to the earth and the required ventilation of the converter.

Input is electrically isolated from output according to EN 60950-1.

Technical data:

Input voltage:	230 V AC ±15 %, 50 Hz.
Consumption:	max. 16 A sinusoidal conform to EN 61000-3-2
Output voltage:	28 V DC +3, -5 % for 85 A, 24 V DC +3, -5 % for 100 A
Output current:	max. 100 A 20 °C, limited for overload or increased temperature
Output release:	only after proved connection with vehicles supply system
Output protection:	no-load proof short-circuit proof
Inrush current:	< 30 A PK at 230 V AC
Efficiency:	typ. 83 % at 230 V AC and 20 to 80 % load

By courtesy of Rheinmetall Landsysteme GmbH

Ask for further technical information!
Functional or interface modifications can be realized on request. Each configuration change causes a new type number.

Isolation voltage:	floating output in accordance to VDE 0554
MTBF:	> 15.000 h at 25 °C
Dimensions:	300 x 480 x 191 mm, (W x D x H) with stands
Weight:	≤ 15 kg
Housing:	■ made of cast G-AlSi12 (DIN 1725) ■ two carrying handles integrated in the heat sink ■ captive connector covers ■ ground terminal M8 on rear ■ four pierced holes a' Φ 25 mm for a steel cable as anti-theft device
Protection:	IP 66 (EN 60529)

Environmental Data: MIL-STD-810F

Operating temp.:	-46 °C to +63 °C
Humidity:	95 % rel. with thawing
Salt fog:	5 % at 35 °C
Vibration.:	Fig. 514.5C3 for wheeled vehicles
Shock:	10 x 10 g / 6 ms
EMI / EMC:	MIL-STD-461C respectiv. D
ESD.:	EN 61000-4-2
Lightning protect.:	STANAG 4145 / AEP4, annex a (Land) /07.1990
NEMP:	STANAG 4236, Issue 2

Accessories: Connecting cables:

1) 3 m screened lead, 230 V AC with integrated 16 A PRCD-S guard circuit (TBD) and CEE – 230 V respectively Souriau Series 847 connectors.

2) 5 m screened lead (power supply to mobile) with VG 95234 connectors of type M-24-12PN, respectively 24-125 N

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